



## ALL-IN-ONE ADSL2+ MODEM ROUTER

### HIGH-SPEED ADSL2/2+

Latest ADSL2/2+ standards provide Internet transmission of up to 24Mbps downstream, 1Mbps upstream



### HIGH-PERFORMANCE WIRELESS

Embedded latest 802.11n technology for high-speed wireless connection, complete compatibility with 802.11b/g wireless devices



### TOTAL SECURITY & QOS

Firewall protection from Internet attacks, user access control, WPA/WPA2 wireless security and priority queues



### HIGH-SPEED INTERNET

The All-In-One ADSL2+ Modem Router is a versatile, high-performance remote router for home and the small office. With integrated ADSL2/2+ supporting download speeds up to 24Mbps, firewall protection, Quality of Service (QoS), 802.11n wireless LAN and 4 Ethernet switch ports, this router provides all the functions that a home or small office needs to establish a secure and high-speed remote link to the outside world.

### ULTIMATE WIRELESS CONNECTION

The All-In-One ADSL2+ Modem Router provides wireless speeds that are many times faster than 802.11g. Maximize wireless performance and stay connected from virtually anywhere at home and in the office. The DSL-2741B supports WPA/WPA2 and WEP data encryption methods for flexible user access security.

### FIREWALL PROTECTION & QOS

Security features prevent unauthorized access to the home and office network from wireless devices or from the Internet. The All-In-One ADSL2+ Modem Router provides firewall security, such as Stateful Packet Inspection (SPI) and hacker attack logging. SPI inspects the contents of incoming packets before they are allowed in, while hacker logging helps to protect your network against Denial of Service (DoS) attacks. Quality of Service (QoS) uses network traffic priority queues to enable a group of home or office users to have a smooth network connection without worrying about network traffic congestion.

### COMPATIBILITY ASSURANCE

The All-In-One ADSL2+ Modem Router is backward compatible with existing 802.11b and 802.11g wireless equipment, ensuring compatibility with a wide range of wireless devices. In addition, this router includes four Ethernet ports ready for you to connect Ethernet-enabled PCs, print servers, and other devices.

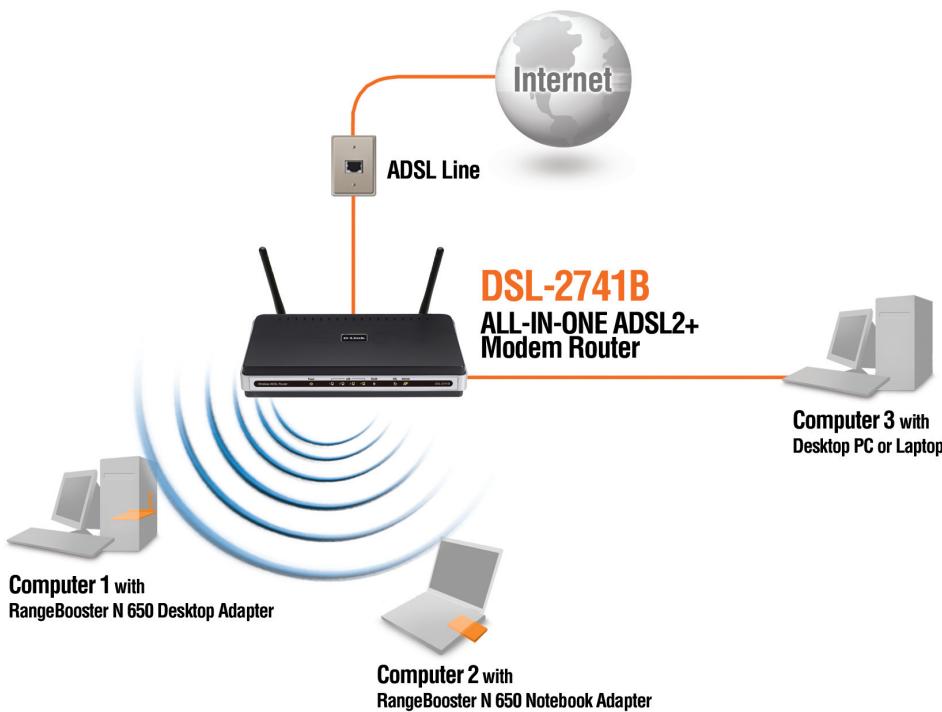
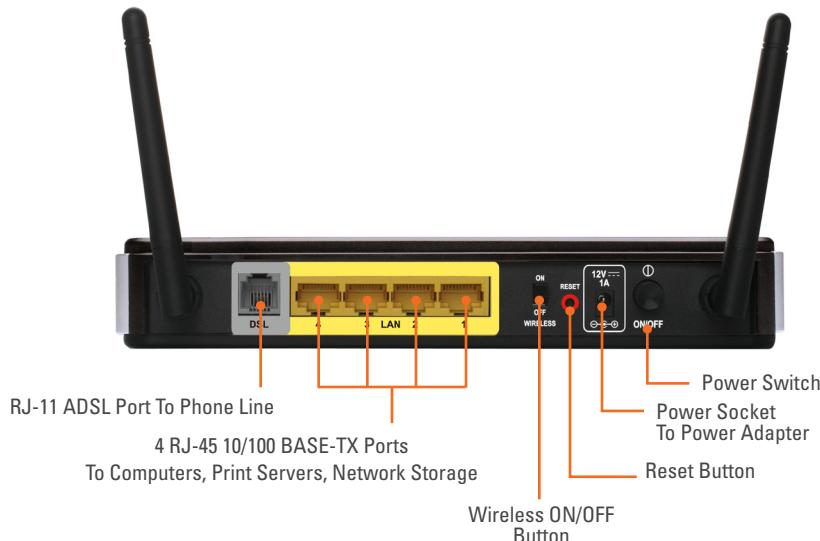
### WHAT THIS PRODUCT DOES

This All-In-One ADSL2+ Router connects a group of users to the Internet, allowing multiple computers at home or the office to share an integrated high-speed ADSL2/2+ interface. It provides high-performance 802.11n wireless access, 4 built-in Ethernet ports, firewall protection, and QoS for smooth and secure transfer of photos, files, music, video and e-mail over the Internet.

### GET HIGH-SPEED ADSL AND WIRELESS PERFORMANCE

Connect to your high-speed ADSL connection with up to 24Mbps downstream and 1Mbps upstream. Watch TV, listen to live music and broadcasts on the Internet, and experience clear Internet phone calls. Built-in high-performance 802.11n wireless LAN means that your wireless devices can now take advantage of the full bandwidth of your high-speed ADSL connection.

### TECHNICAL SPECIFICATIONS



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#### DEVICE INTERFACES

- RJ-11 ADSL port
- 4 RJ-45 10/100BASE-TX Ethernet ports with auto MDI/MDIX
- Built-in 802.11n wireless LAN
- Factory reset button
- WPS button
- Wireless on/off switch
- Power on/off switch

#### WIRELESS LAN

- 802.11n/b/g
- Wireless speed: up to 54Mbps (802.11g), 300Mbps (802.11n)<sup>1</sup>
- Frequency range: 2.4 GHz to 2.484G Hz
- Antennas: Dual 2x2 built-in MIMO antennas
- 64/128 bits WEP data encryption
- WPA/WPA2 (Wi-Fi Protected Access) security
- Multiple SSID
- 802.11e Wireless QoS (WMM/WME)
- MAC address-based access control

#### WIRELESS TRANSMISSION POWER<sup>2</sup>

- 17dBm +/- 2dBm

#### ADSL STANDARDS

- ADSL standards: Multi-mode, ANSI T1.413 Issue 2, ITU G.992.1 (G.dmt) Annex B, ITU G.992.2 (G-lite) Annex B, ITU G.994.1 (G.hs)
- ADSL2 standards: ITU G.992.3 (G.dmt.bis) Annex B, ITU G.992.4 (G-lite.bis) Annex B
- ADSL2+ standards: ITU G.992.5 Annex B

#### ADSL DATA RATES

- G.dmt: 8Mbps downstream, 832Kbps upstream
- G-lite: 1.5Mbps downstream, 512Kbps upstream
- ADSL2: 12Mbps downstream, 1Mbps upstream
- ADSL2+: 24Mbps downstream, 1Mbps upstream

#### ATM & PPP PROTOCOLS

- ATM Forum UNI3.1/4.0 PVC (up to 16PVCs)
- ATM Adaptation Layer Type 5 (AAL5)
- ATM QoS (Traffic Shaping)
- Bridged or routed Ethernet encapsulation
- VC and LLC based multiplexing
- PPP over Ethernet (PPPoE)
- PPP over ATM (RFC 2364)
- ITU-T I.610 OAM F4/F5

#### ROUTER FEATURES

- WAN/LAN Switchable Port
- NAT (maximum 4096 NAT sessions)
- DHCP server/client/relay
- Static Routing, RIP v.1, v.2
- Universal Plug and Play (UPnP) Compliant
- Dynamic Domain Name System (DDNS)
- Virtual Server
- SNTP, DNS proxy and IGMP proxy

#### FIREWALL

- Built-in NAT firewall
- Stateful Packet Inspection (SPI)
- DoS attacks prevention
- Packet filtering (IP/ICMP/TCP/UDP)
- Intrusion Detection System (IDS)
- DMZ

#### VIRTUAL PRIVATE NETWORK (VPN)

- Multiple PPTP/IPSec/L2TP pass-through

#### DEVICE CONFIGURATION/MANAGEMENT

- Installation Wizard
- Web-based GUI for configuration, firmware upgrade
- Code lock to prevent improper firmware upgrade
- Telnet
- Syslog monitoring
- TR-069 Client
- WPS

#### QUALITY OF SERVICE

- LAN to WAN traffic prioritization/Classification
- 802.1p (0 to 7) traffic prioritization
- Traffic Shaping

#### SECURITY

- IGMP Snooping with 32 Multicast groups
- PVC/VLAN port mapping (bridge mode)
- Parental Control (URL blocking, scheduling)
- Power Input
- Through 12VAC 1A external power adapter

#### DIAGNOSTIC LEDS

- Power
- LAN (1 to 4)
- WLAN
- DSL
- Internet
- WPS

#### DIMENSIONS

- 120.5 x 198 x 31.5 mm
- (4.7 x 7.8 x 1.2 inches)

#### OPERATING TEMPERATURE

- 0° to 40° C (32° to 104° F)

#### STORAGE TEMPERATURE

- -20° to 70° C (-4° to 158° F)

#### OPERATING HUMIDITY

- 5% to 95% non-condensing

#### CERTIFICATIONS

- CE (EN55022/EN55024/EN300 328/EN301 489)

<sup>1</sup> Maximum wireless signal rate based on IEEE 802.11n and 802.11g specifications. Actual data throughput will vary. Network conditions and environmental factors, including volume of network traffic, building materials and construction, and network overhead, lower actual data throughput rate. Environmental factors will adversely affect wireless signal range.

<sup>2</sup> Typical transmission power; transmission power setting varies according to country.

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